

Amendments to the Claims

Please amend Claims 1, 4, 6, 7, 9, 12, 14, 15, 17, 20, 22, 23, and 25. The Claim listing below will replace all prior versions of the claims in the application.

Claim Listing

1. (Currently Amended) A method comprising:
if a change in configuration of a Redundant Array of Inexpensive Disks (RAID) system occurs during ~~one~~ a suspend mode of operation of a device coupled to the RAID system, storing, in the RAID system, data indicative, at least in part, of resulting configuration of the RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the ~~one~~ suspend mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.
2. (Previously Presented) The method of claim 1, further comprising:
in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in part upon the data, other data indicative at least in part of the resulting configuration of the RAID system; and
executing, based at least in part upon the other data, one or more operations involving, at least in part, the RAID system.
3. (Original) The method of claim 1, wherein:
the data comprises metadata.
4. (Currently Amended) The method of claim 1, further comprising:
while the device is operating in the ~~one~~ suspend mode of operation, preventing execution of one or more pending operations involving, at least in part, the RAID system.
5. (Previously Presented) The method of claim 1, wherein:

the change in the configuration of the RAID system comprises at least one of a volume change and a RAID system change.

6. (Currently Amended) The method of claim 1, wherein:
the one mode of operation comprises a suspend mode of operation; and
the another mode of operation comprises a resume mode of operation.
7. (Currently Amended) The method of claim 6, further comprising:
in response, at least in part, to a request to operate in the ~~one~~ suspend
mode of operation, storing information indicating, at least in part, status of one or
more processes being executed, at least in part, by the device.
8. (Previously Presented) The method of claim 1, wherein:
the device comprises a host processor capable of executing a driver
capable of accessing the data while the device is operating in the another mode of
operation.
9. (Currently Amended) An apparatus comprising:
circuitry capable of storing in a RAID system, if a change in configuration
of the RAID system occurs during one a suspend mode of operation of a device
coupled to the RAID system, data indicative, at least in part, of resulting
configuration of the RAID system resulting after the change, the device having a
relatively lower power consumption rate while the device is operating in the ~~one~~
suspend mode of operation compared to a relatively higher power consumption
rate while the device is operating in another mode of operation.
10. (Previously Presented) The apparatus of claim 9, wherein:
the circuitry is also capable of, in response, at least in part, to a request to
operate in the another mode of operation, storing, at least in part, based at least in
part upon the data, other data indicative at least in part of the resulting
configuration of the RAID system; and

the circuitry is also capable of executing, based at least in part upon the other data, one or more operations involving, at least in part, the RAID system.

11. (Original) The apparatus of claim 9, wherein:
the data comprises metadata.
12. (Currently Amended) The apparatus of claim 9, wherein:
the circuitry is also capable of, while the device is operating in the a suspend mode of operation, preventing execution of one or more pending operations involving, at least in part, the RAID system.
13. (Previously Presented) The apparatus of claim 9, wherein:
the change in the configuration of the RAID system comprises at least one of a volume change and a RAID system change.
14. (Currently Amended) The apparatus of claim 9, wherein:
~~the one mode of operation comprises a suspend mode of operation; and~~
the another mode of operation comprises a resume mode of operation.
15. (Currently Amended) The apparatus of claim 14, wherein:
the circuitry is also capable of, in response, at least in part, to a request to operate in the ~~one~~ suspend mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.
16. (Previously Presented) The apparatus of claim 9, wherein:
the RAID system comprises a redundant array of inexpensive disks; and
the device comprises a host processor capable of executing a driver capable of accessing the data while the device is operating in the another mode of operation.

17. (Currently Amended) An article comprising:
a storage medium having stored therein instructions that when executed by a machine result in the following:
if a change in configuration of a RAID system occurs during ~~one~~ a suspend mode of operation of a device coupled to the RAID system, storing, in the RAID system, data indicative, at least in part, of resulting configuration of the RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the ~~one~~ suspend mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.
18. (Previously Presented) The article of claim 17, wherein the instructions when executed also result in:
in response, at least in part, to a request to operate in the another mode of operation, storing, at least in part, based at least in part upon the data, other data indicative at least in part of the resulting configuration of the RAID system; and
executing, based at least in part upon the other data, one or more operations involving, at least in part, the RAID system.
19. (Original) The article of claim 17, wherein:
the data comprises metadata.
20. (Previously Presented) The article of claim 17, wherein the instructions when executed also result in:
while the device is operating in the ~~one~~ suspend mode of operation, preventing execution of one or more pending operations involving, at least in part, the RAID system.
21. (Previously Presented) The article of claim 17, wherein:
the change in the configuration of the RAID system comprises at least one of a volume change and a RAID system device change.

22. (Currently Amended) The article of claim 17, wherein:
the ~~one mode of operation~~ comprises a suspend mode of operation; and
the another mode of operation comprises a resume mode of operation.
23. (Currently Amended) The article of claim 22, wherein the instructions when executed also result in:
in response, at least in part, to a request to operate in the ~~one~~ suspend mode of operation, storing information indicating, at least in part, status of one or more processes being executed, at least in part, by the device.
24. (Previously Presented) The article of claim 17, wherein:
the device comprises a host processor capable of executing a driver capable of accessing the data while the device is operating in the another mode of operation.
25. (Currently Amended) A system comprising:
a circuit board comprising read only memory (ROM) to store instructions;
and
circuitry capable of executing the instructions, execution of the instructions by the circuitry resulting in:
if a change in configuration of a RAID system occurs during ~~one~~ a suspend mode of operation of a device coupled to the RAID system, storing, in the RAID system, data indicative, at least in part, of resulting configuration of the RAID system resulting after the change, the device having a relatively lower power consumption rate while the device is operating in the ~~one~~ suspend mode of operation compared to a relatively higher power consumption rate while the device is operating in another mode of operation.
26. (Previously Presented) The system of claim 25, wherein:
the circuitry comprises a processor; and

a circuit board also comprises one or more integrated circuits coupled to the processor and capable of being coupled to the storage.

27. (Previously Presented) The system of claim 26, wherein:
respective copies of the data are stored in respective storage devices comprised in the RAID system.
28. (Previously Presented) The system of claim 27, wherein:
the circuit board also comprises a bus and a circuit card slot coupled to the bus, the slot being coupled to the processor via a chipset.
29. (Original) The system of claim 25, wherein:
the instructions are comprised in basic input/output system (BIOS) instructions stored in the ROM.